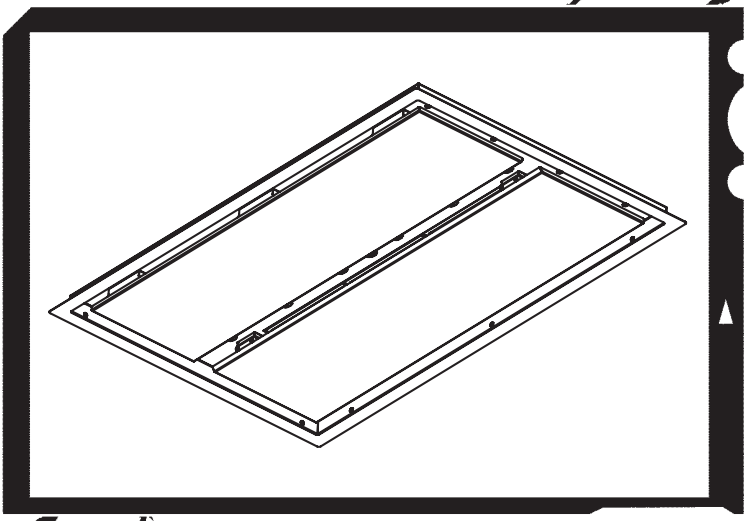
best®



Model CC34IQSB

ENGLISH.....2
FRANÇAIS.....18
ESPAÑOL..... 34

In USA - BEST Hartford, Wisconsin
In CANADA - BEST Drummondville, QC, Canada

REGISTER YOUR PRODUCT ONLINE AT : www.BestRangeHoods.com/register
For additional Information visit www.BestRangeHoods.com

READ AND SAVE THESE INSTRUCTIONS

⚠ INTENDED FOR DOMESTIC COOKING ONLY ⚠

⚠ ⚠ WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in the warranty.
2. Before servicing or cleaning unit, switch power off at service panel and lock service panel to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
3. Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.
7. Do not use this unit with any separate solid-state speed control device.
8. To reduce the risk of fire, use only metal ductwork.
9. This unit must be grounded.
10. Type Non-IC Installation: Thermal insulation shall not cover top of range hood housing and must be spaced 3-inches (76mm) from all sides. (Fig. 1)

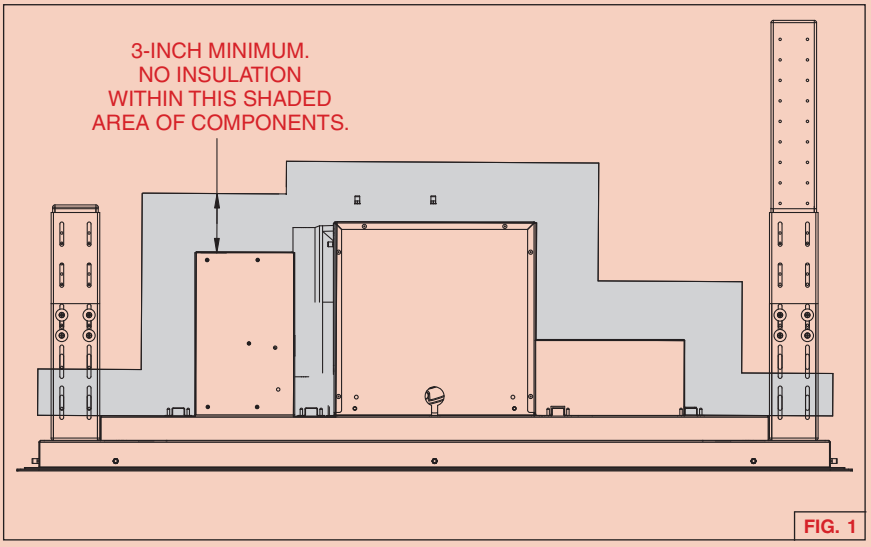


FIG. 1

TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

A. Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.

B. Always turn hood ON when cooking at high heat or when flambeing food (i.e. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambe').

C. Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.

D. Use proper pan size. Always use cookware appropriate for the size of the surface element.

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING:*

1. SMOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.
2. NEVER PICK UP A FLAMING PAN - You may be burned.
3. DO NOT USE WATER, including wet dishcloths or towels - violent steam explosion will result.
4. Use an extinguisher ONLY if:
   A. You know you have a Class ABC extinguisher and you already know how to operate it.
   B. The fire is small and contained in the area where it started.
   C. The fire department is being called.
   D. You can fight the fire with your back to an exit.

   * Based on "Kitchen Fire Safety Tips" published by NFPA.

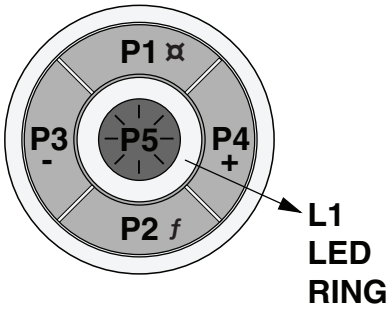
⚠ CAUTION

1. For indoor use only.
2. To reduce risk of fire and to properly exhaust air, be sure to duct air outside. Do not vent exhaust air into spaces within walls or ceilings or into attics, crawl spaces, or garages.
3. Take care when using cleaning agents or detergents.
4. Avoid using food products that produce flames under the Range Hood.
5. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
6. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
7. Your hood motor has a thermal overload which will automatically shut off the motor if it becomes overheated. The motor will restart when it cools down. If the motor continues to shut off and restart, have the hood serviced.
8. For best capture of cooking impurities, the bottom of the hood should be a minimum of 48" and a maximum of 72" above the cooking surface. See "Install Mounting Bracket" section for mounting restrictions.
9. Two installers are recommended because of the large size and weight of this hood.
10. The light source is designed for this specific application and can overheat if serviced by untrained personnel. If any servicing is required, the product should be returned to an authorized service facility for examination or repair.
11. Please read specification label on product for further information and requirements.

OPERATION

Controls (Fig. 2)

The hood is operated using the (5) push-buttons located on the hood and the remote control. LED colors are displayed on hood control only.



P1: Activate/deactivate delay-off (10 minute)
P2: Filter change indication timer reset
P3: Decreases fan motor speed until turned off (4>3>2>1>OFF)
P4: Turns fan motor on and increased speed (ON>1>2>3>4)
P5: Turns lights on/off
L1: LED Indicator Ring Signalling crown:
- Hood in standby: lights up green. 30 seconds after the last key has been pressed the crown turns off
- Motor on: L1 lights up blue flashing. The flashing frequency is proportional to the speed setting.
- 10' TIMER function : L1 lights up and flashes blue.
- Filter alarm active: L1 lights up red

FIG. 2

(P1) Delay- Off Switch

- Your hood includes a 10 minute blower delay off switch. Press this switch once to activate the timer and the LED Ring (L1) flashes blue. The blower will continue to operate for 10 minutes. After 10 minutes, the blower turns off automatically.
- To cancel the 10-minute delay, press the delay switch once again.

(P2) Filter Alarm Switch

- After 30 hours of blower operation, the filter alarm is activated and the LED ring (L1) turns red/ flashes. It indicates that the grease filters need to be cleaned.
- After cleaning the grease filters, reset the hour counter by pressing the Filter Alarm/Timer Reset button (P2) during display of the alarm.

(P3) Blower Speed Decrease and Off Switch

- Press to decrease blower speed, high to low. The LED ring (L1) flashes blue at a speed proportionate to the blower setting (i.e.: four flashes is high speed, one flash is low speed, etc.)
- Continue pressing this switch to turn the blower off.

(P4) Blower Speed Increase and On Switch

- Press this switch to turn the blower on to low speed.
- Press again to increase blower speed, low to high. The LED ring (L1) flashes blue at a speed proportionate to the blower setting (i.e.: four flashes is high speed, one flash is low speed, etc.)

(P5) Light Switch

Turns the lights on and off.

HEAT SENTRY™

Your hood is equipped with a HEAT SENTRY™ thermostat. This thermostat is a device that will turn on or speed up the blower if it senses excessive heat above the cooking surface.
1) If blower is OFF - it turns blower ON to HIGH speed.
2) If blower is ON at a lower speed setting - it turns blower up to HIGH speed.
When the temperature level drops to normal, the blower will return to its original setting.

WARNING

The HEAT SENTRY thermostat can start the blower even if the hood is turned OFF. When this occurs, it is impossible to turn the blower OFF with its switch. If you must stop the blower, do it from the main electrical panel.

REMOTE CONTROL

The remote control is linked to the hood at the factory.

If, for some reason, the link is lost - follow the directions below:

To Link Remote Control to Hood

1. Turn off hood motor and hood lights.
2. Press P1 on the remote control for at least 3 seconds. The indicator light will light up. (Fig. 3)
3. While holding P1 on the remote control - press P2 on the hood control. (Fig. 4) The LED ring will light up GREEN for approximately 10 seconds to confim that the linking process was successful.

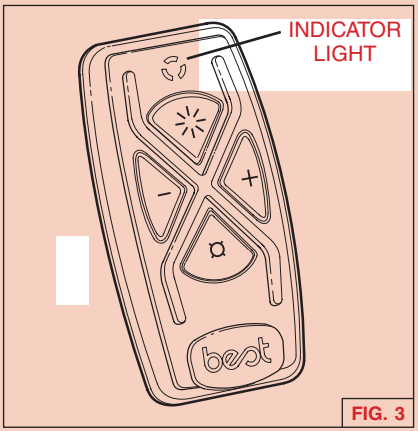


FIG. 3

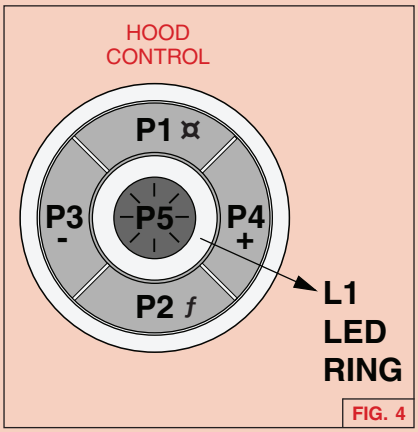


FIG. 4

Remote Control Functions (Fig.3)

¤ Delay - Off

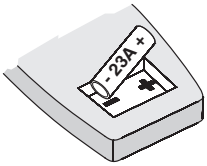
– Blower Speed Decrease and Off

\+ Blower Speed Increase and On

Light

See “Controls” section on previous page for more information on each function.

CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTE TO THE INSTRUCTION.



Battery disposal

When the batteries need to be replaced, dispose of them only and exclusively in the numerous readily available special waste bins, especially in shops selling electronic consumer goods. Observance of the regulations on differentiated waste collection, in particular, proper disposal of used batteries, contributes to preventing possible negative effects on the environment and health.

CLEANING AND MAINTENANCE

Proper maintenance of the Range Hood will assure proper performance of the unit.

Motor

The motor is permanently lubricated and never needs oiling. If the motor bearings make excessive or unusual noise, replace the motor with the exact service motor. The impeller should also be replaced.

Grease Filters

The grease filters should be cleaned frequently. Use a warm detergent solution. Grease filters are dishwasher safe.

Clean all-metal filters in the dishwasher using a non-phosphate detergent. Discoloration of the filter may occur if using phosphate detergents, or as a result of local water conditions - but this will not affect filter performance. This discoloration is not covered by the warranty.

See “INSTALL FILTERS” section for removal and installation instructions.

Stainless Steel Cleaning

DO:

- Regularly wash with clean cloth or rag soaked with warm water and mild soap or liquid dish detergent.
- Always clean in the direction of original polish lines.
- Always rinse well with clear water (2 or 3 times) after cleaning. Wipe dry completely.
- You may also use a specialized household stainless steel cleaner.

DON’T:

- Use any steel or stainless steel wool or any other scrapers to remove stubborn dirt.
- Use any harsh or abrasive cleansers.
- Allow dirt to accumulate.
- Let plaster dust or any other construction residues reach the hood. During construction/ renovation, cover the range hood to make sure no dust sticks to the stainless steel surface.

Avoid: When choosing a detergent

- Any cleaners that contain bleach will attack stainless steel
- Any products containing: chloride, fluoride, iodide, bromide will deteriorate surfaces rapidly.
- Any combustible products used for cleaning such as acetone, alcohol, ether, benzol, etc., are highly explosive and should never be used close to a range.

PREPARE THE HOOD

Unpack hood and check contents.

You should receive:

1 - Range Hood Body
1 - Remote Control
6 - Grease Filters
2 - Screws, 4 x 9.5 mm
6 - Lag Bolts, 6 x 70 mm
6 - Washers

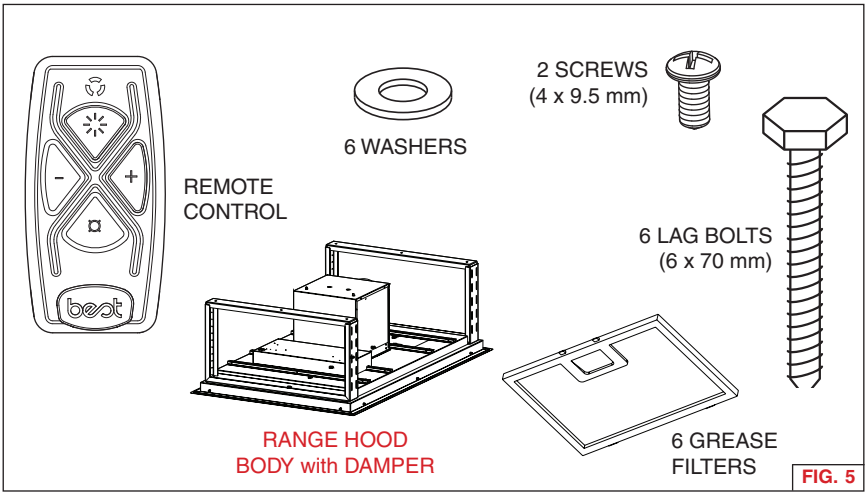


FIG. 5

INSTALL THE DUCTWORK

WARNING: To reduce the risk of fire, use only metal ductwork.

1. Decide where the ductwork will run between the hood and the outside. Fig. 6.
2. A straight, short duct run will allow the hood to perform most efficiently.
3. Long duct runs, elbows, and transitions will reduce the performance of the hood. Use as few of them as possible. Larger ducting may be required for best performance with longer duct runs.

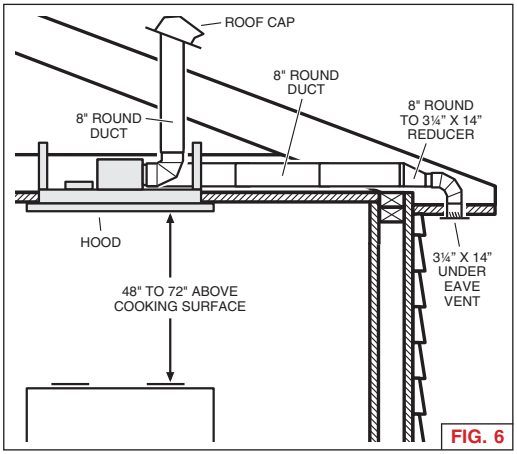
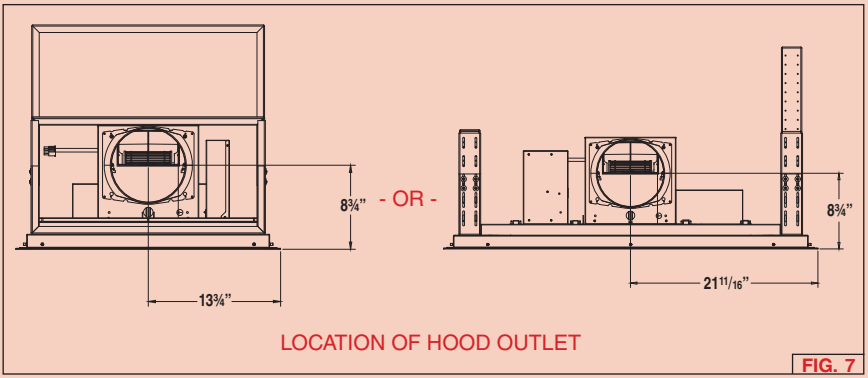


FIG. 6

4. Install a roof cap, wall cap, or under-eave vent. Connect round metal ductwork to cap/vent and work back towards hood location. Use duct tape to seal the joints between ductwork sections.
5. The blower can be rotated according to the air outlet location. See Fig. 7 for air outlet dimensions.



LOCATION OF HOOD OUTLET

FIG. 7

PREPARE THE CEILING OPENING

The hood should always be centered over the cooktop. Make sure there is adequate space in the ceiling structure to install the hood and ductwork. The hood should be mounted 48" to 72" above the cook top for best removal of cooking impurities. Fig 6.

Use joist size lumber to frame in around the range hood opening. The ceiling structure must be able to support the weight of the hood (64 pounds). Fig 8.

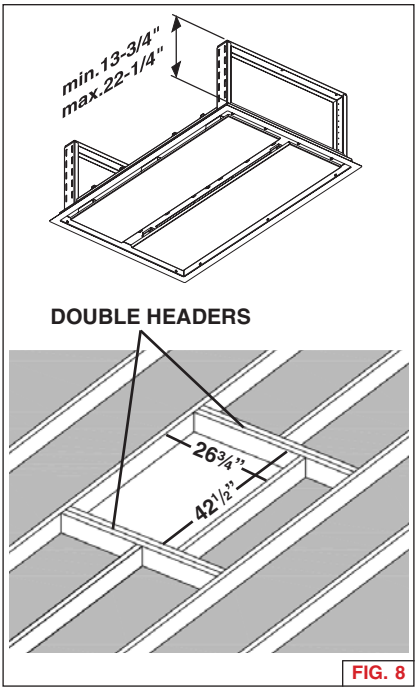


FIG. 8

PREPARE THE HOOD SUPPORT

1. Construct a wood framing system as shown in Fig. 9.
2. The structure must be capable of supporting its own weight, plus the weight of the hood (64 pounds).

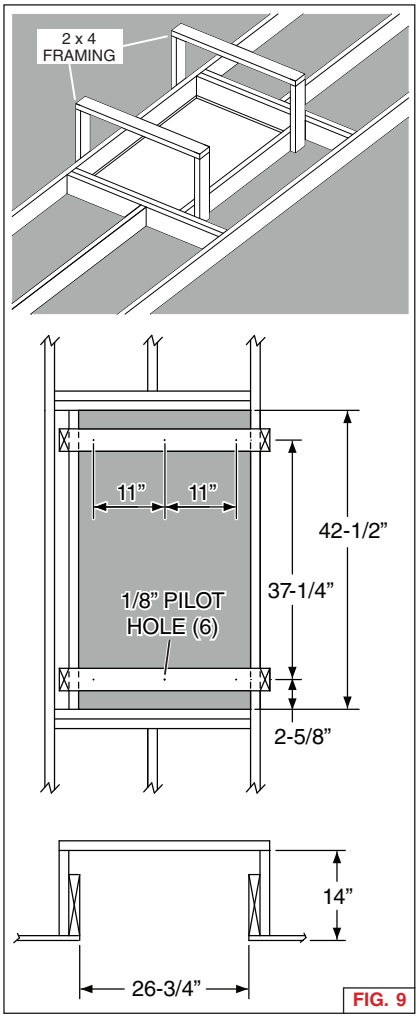


FIG. 9

ATTACH CONTROL BOX

1. Remove control box from side of blower box. Fig. 10.
2. Insert control box into opening. Fig. 11.
3. Attach control box with (2) 4 x 9.5 mm screws provided. Fig. 12.

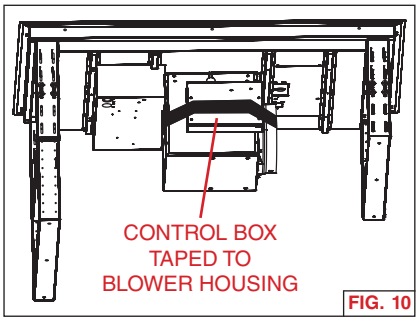


FIG. 10

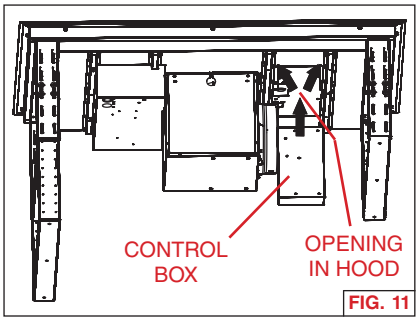


FIG. 11

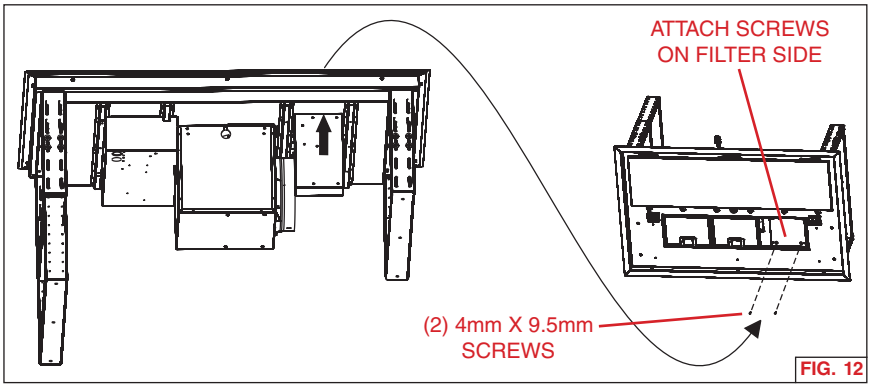


FIG. 12

INSTALL THE HOOD

⚠ CAUTION: At least two installers are recommended because of the large size and weight of this range hood.

1. Hood is shipped in the horizontal duct discharge position and is ready to be installed.

2. To change direction of the duct without using elbows. Fig. 13:
- Remove (2) screws from inside of blower box.
- Remove (4) screws from sides of blower box.
- Remove blower, turn blower 90 degrees, reinstall (4) screws.

3. Lift range hood into the ceiling opening.

4. Secure each support frame to the wooden hood support frame using (6) 6 x 70 mm lag bolts and washers provided. Fig. 14.

5. Adjust height of the telescoping support frame to ensure a tight fit between the hood and finished ceiling.

6. At the blower discharge collar, connect ductwork that exhausts air to the outside discharge.

7. Duct tape all joints to ensure an air tight seal.

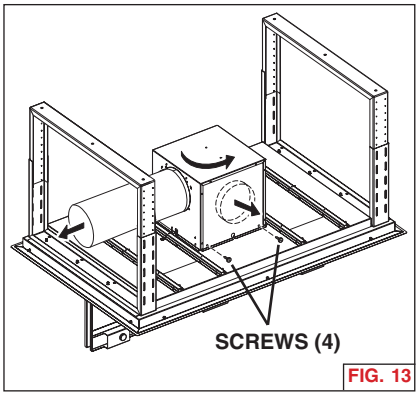


FIG. 13

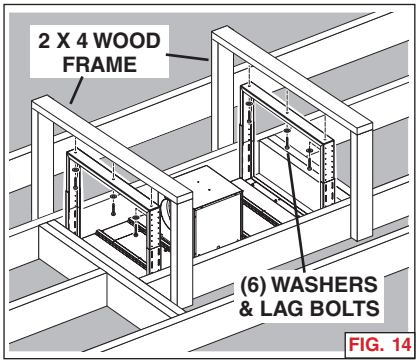


FIG. 14

CONNECT THE WIRING

⚠ ⚠ WARNING: All electrical wiring should be done by a qualified person (s) in accordance with all applicable codes and standards. This range hood must be properly grounded.

Do not turn blower on at the service panel until all wires have been connected.

1. Run 2-wire plus ground, 120 VAC electrical power cable to the ¾" knockout located on the back of the hood. Fig. 15.

2. Remove ¾" electrical knockout from the back of the hood.

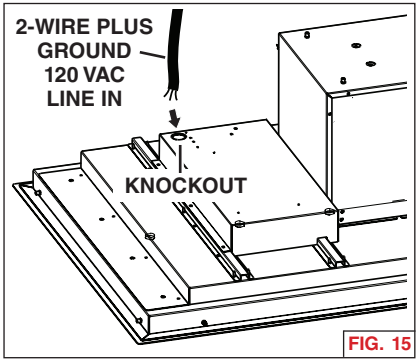


FIG. 15

3. From the room interior, pull down both closure panels. Fig. 16.
4. Remove (4) screws from the electrical compartment access panel. Slide the panel sideways to expose the electrical wiring box.
5. From the electrical box marked “120 VAC Inlet”, remove (2) screws that secure the cover to the metal wiring box. Fig. 17.
6. Pull 120VAC electrical power cable into the box and secure with an appropriate cable clamp.
7. Make electrical connections inside the box. Connect white-to-white, black-to-black and green-to-ground.
8. Replace the wiring box cover and the screws. Make sure wires are not pinched between the cover and box.
9. Replace the electrical compartments access panel and (4) screws.

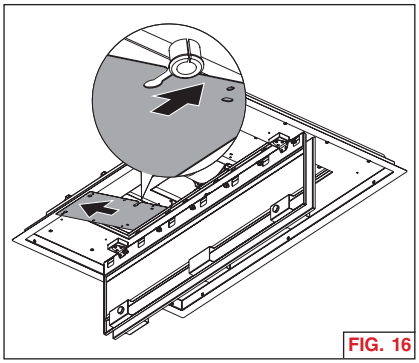


FIG. 16

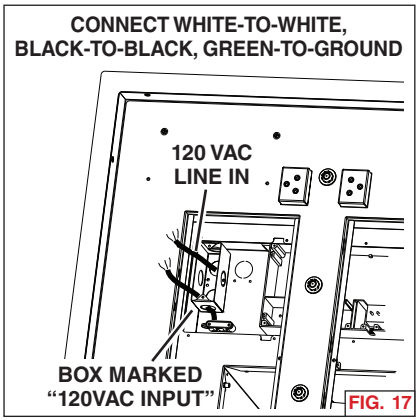


FIG. 17

MAKE-UP AIR DAMPER

The hood is compatible with Broan Make-Up Air Damper Model MD6T, Model MD8T or Model MD10T (optional). Purchase separately.

Make the connection to the Make-Up Air Damper with low voltage wiring, as shown. See Make-Up Air Damper instructions for additional information. (Fig. 18)

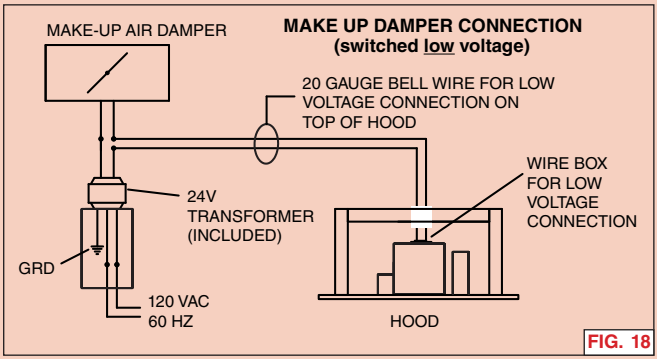


FIG. 18

INSTALL THE FILTERS

1. Pull down both closure panels as shown. Fig. 19 and Fig. 20.

2. To install the grease filters, align rear filter tabs with slots in the hood. Push latch tab in, push filter into position and release. Make sure filter is securely engaged after installation.

3. To remove the filters for cleaning, push latch tab in to disengage filter from hood. Tilt the filter downward and remove.

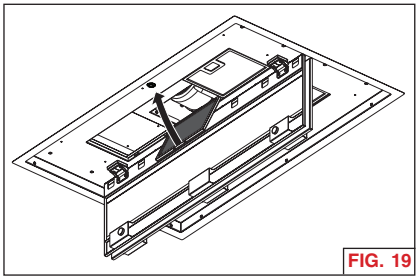


FIG. 19

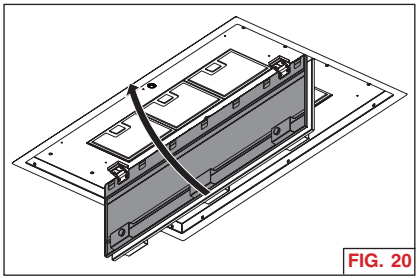


FIG. 20

CALIBRATE IQ BLOWER SYSTEM™

INTERNAL BLOWER DUCTED UNITS ONLY

After the hood is installed and wired, engage the calibration process (our Guaranteed Performance System Technology to ensure full-rated airflow is being delivered). Prior to calibration, ensure that all filters and the duct system are installed.

CALIBRATION PROCESS Fig. 21.

Open the bottom panel. Hold the calibration button for 3 seconds and the calibration button will light up. Close the bottom panel. The blower will start and begin the calibration process - which will take approximately 13 minutes. When calibration is complete, one of two things will occur:

A. The blower turns off and calibration button light turns off = Successful calibration.
B. The blower turns off and calibration button light blinks continuously = Too much restriction in the ductwork is preventing the IQ Blower System™ from achieving the rated airflow. The blower is automatically set to maximum intensity.

NOTE: Common items that cause restrictions: restricted damper flap (backdraft damper, wall cap, roof cap), too many elbows, duct size less than 80% of hood outlet, poor transition, use of flex ducting and/or crushed ducting.

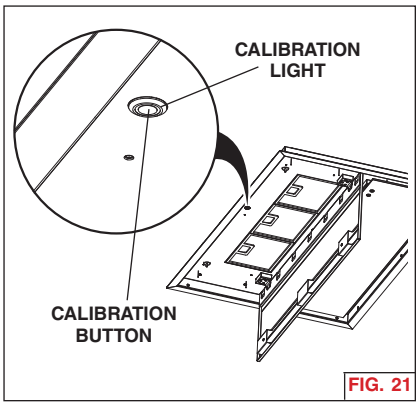


FIG. 21

Two options are available:
1. Press the calibration button to accept airflow as is. The IQ Blower System™ is now configured to its highest possible setting. The blinking calibration light goes out.
2. Correct duct restriction and repeat the calibration process.
   a. To clear the original calibration data, hold calibration button for 10 seconds. The light will blink 3 times to confirm and the blower configuration will go back to default settings.
   b. Repeat calibration process.

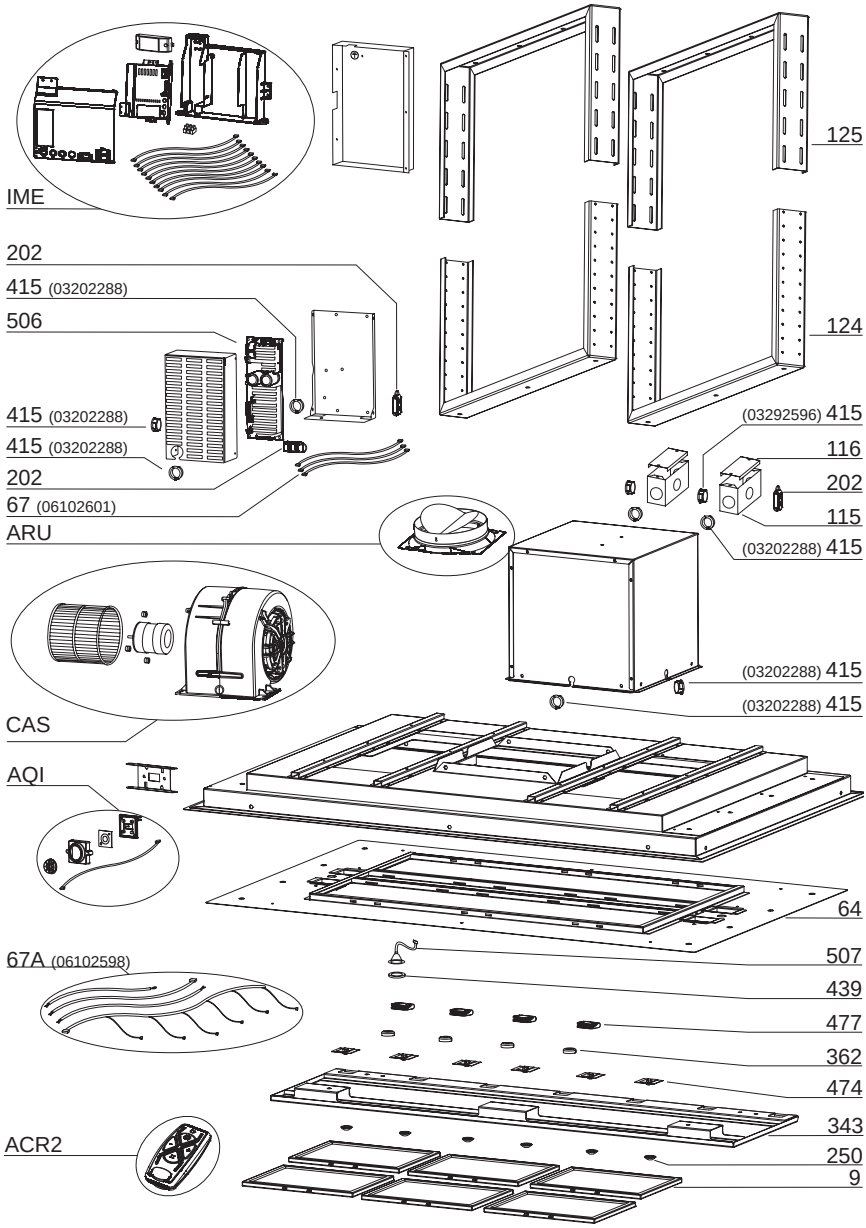
SERVICE PARTS

Model CC34IQSB

KEY NO.	DESCRIPTION	PART NO.
CAS	BLOWER ASSEMBLY	06002259
506	BLDC DRIVER	97019431
67	WIRES	06102601
202	WIRE CLAMP	03292290
415	BUSHING	03202288
IME	ELECTRICAL INSTALLATION ASSEMBLY	06145222
67A	WIRES	06102598
115	FEEDER CABLE CONNECTION BOX	E3350233
415	BUSHING	03292596
116	FEEDER CABLE CONNECTION BOX COVER	E3351530
125	UPPER TELESCOPIC SKELETON	08092797
124	BOTTOM TELESCOPIC SKELETON	E3404965
64	BOTTOM BRACKET	03115251
507	CALIBRATION BUTTON ASSEMBLY	06102584
439	GROMMET	02320034
474	LED LIGHT	02300885
250	RING NUT	02011389
AQI	SWITCH BOX ASSEMBLY	06102585
343	CLOSURE PANEL	08093076
477	HINGE	02011376
362	DISPLAY VISOR SPRING	02011421
9	GREASE FILTER	08087804
ARU	CONNECTION AIR OUTLET SET	08092501
ACR2	REMOTE CONTROL	08999166
	HARDWARE	080810994
	INSTALLATION INSTRUCTIONS	080813623

SERVICE PARTS

Model CC34IQSB



WARRANTY

Limited Warranty

Warranty Period and Exclusions: Broan-NuTone LLC (the "Company") warrants to the original consumer purchaser of its product ("you") that the product (the "Product") will be free from material defects in the Product or its workmanship for a period of one (1) year from the date of original purchase.

The limited warranty period for any replacement parts provided by the Company and for any Products repaired or replaced under this limited warranty shall be the remainder of the original warranty period.

This warranty does not cover fluorescent lamp starters, tubes, halogen and incandescent bulbs, fuses, filters, ducts, roof caps, wall caps and other accessories for ducting that may be purchased separately and installed with the Product. This warranty also does not cover (a) normal maintenance and service, (b) normal wear and tear, (c) any Products or parts which have been subject to misuse, abuse, abnormal usage, negligence, accident, improper or insufficient maintenance, storage or repair (other than repair by the Company), (d) damage caused by faulty installation, or installation or use contrary to recommendations or instructions, (e) any Product that has been moved from its original point of installation, (f) damage caused by environmental or natural elements, (g) damage in transit, (h) natural wear of finish, (i) Products in commercial or nonresidential use, or (j) damage caused by fire, flood or other act of God. This warranty covers only Products sold to original consumers in the United States by the Company or U.S. distributors authorized by the Company.

This warranty supersedes all prior warranties and is not transferable from the original consumer purchaser.

No Other Warranties: This Limited Warranty contains the Company's sole obligation and your sole remedy for defective products. The foregoing warranties are exclusive and in lieu of any other warranties, express or implied. THE COMPANY DISCLAIMS AND EXCLUDES ALL OTHER EXPRESS WARRANTIES, AND DISCLAIMS AND EXCLUDES ALL WARRANTIES IMPLIED BY LAW, INCLUDING WITHOUT LIMITATION THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. To the extent that applicable law prohibits the exclusion of implied warranties, the duration of any applicable implied warranty is limited to the period specified for the express warranty above. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Any oral or written description of the Product is for the sole purpose of identifying it and shall not be construed as an express warranty.

Whenever possible, each provision of this Limited Warranty shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision is held to be prohibited or invalid, such provision shall be ineffective only to the extent of such prohibition or invalidity, without invalidating the remainder of such provision or the other remaining provisions of the Limited Warranty.

Remedy: During the applicable limited warranty period, the Company will, at its option, provide replacement parts for, or repair or replace, without charge, any Product or part thereof, to the extent the Company finds it to be covered by and in breach of this limited warranty under normal use and service. The Company will ship the repaired or replaced Product or replacement parts to you at no charge. You are responsible for all costs for removal, reinstallation and shipping, insurance or other freight charges incurred in the shipment of the Product or part to the Company. If you must send the Product or part to the Company, as instructed by the Company, you must properly pack the Product or part—the Company is not responsible for damage in transit. The Company reserves the right to utilize reconditioned, refurbished, repaired or remanufactured Products or parts in the warranty repair or replacement process. Such Products and parts will be comparable in function and performance to an original Product or part and warranted for the remainder of the original warranty period.

Exclusion of Damages: THE COMPANY'S OBLIGATION TO PROVIDE REPLACEMENT PARTS, OR REPAIR OR REPLACE, AT THE COMPANY'S OPTION, SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY AND THE COMPANY'S SOLE AND EXCLUSIVE OBLIGATION. THE COMPANY SHALL NOT BE LIABLE FOR INCIDENTAL, INDIRECT, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE PRODUCT, ITS USE OR PERFORMANCE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

This warranty covers only replacement or repair of defective Products or parts thereof at the Company's main facility and does not include the cost of field service travel and living expenses.

Any assistance the Company provides to or procures for you outside the terms, limitations or exclusions of this limited warranty will not constitute a waiver of such terms, limitations or exclusions, nor will such assistance extend or revive the warranty.

The Company will not reimburse you for any expenses incurred by you in repairing or replacing any defective Product, except for those incurred with the Company's prior written permission.

How to Obtain Warranty Service: To qualify for warranty service, you must (a) notify the Company at the address or telephone number stated below within seven (7) days of discovering the covered defect, (b) give the model number and part identification and (c) describe the nature of any defect in the Product or part. At the time of requesting warranty service, you must present evidence of the original purchase date. If you cannot provide a copy of the original written limited warranty, then the terms of the Company's most current written limited warranty for your particular product will control. The most current limited written warranties for the Company's products can be found at www.BestRangeHoods.com.

In USA - BEST® Hartford, Wisconsin 800-558-1711
In Canada - BEST® Drummondville, QC 866-737-7770 www.BestRangeHoods.com